

IN THE CLAIMS

1.- 80. (canceled)

81. (previously presented) A process for the production of recombinant catalytically active two chain urokinase (tc-uPA) into the culture medium of an eukaryotic cell line which has been genetically transfected with a cDNA sequence encoding for a urokinase precursor wherein alkanolic acids selected from the group consisting of: butyric acid, sodium butyrate, sodium propionate, magnesium butyrate, tributyrin and phenylbutyrate, their derivatives or salts thereof, are added to the cell culture medium of said cell line, characterized in that at least 95% of the total urokinase is catalytically active two chain urokinase (tc-uPA).

82. (previously presented) A process according to Claim 81 wherein said eukaryotic cell line is selected from CHO and CHO-Messi.

83. (previously presented) A process according to Claim 81 wherein said cell culture medium is serum-free.

84. (previously presented) A process according to Claim 81 wherein the concentration of said alkanolic acids is from 0.1 to 20 mM.

85. (previously presented) A process according to Claim 81 wherein after said alkanolic acids are added, the cell line is grown at a temperature from 30°C to 37°C.

86. (previously presented) A process according to Claim 85

wherein said temperature is from 33°C to 35°C.

87. (previously presented) A process according to Claim 85 wherein said cell line is grown for a time of 48 to 200 hours.

88. (previously presented) A process according to Claim 81 further comprising a step of recovery of said cell culture medium.

89. (previously presented) A process according to Claim 88 wherein the production level of tc-uPA in said cell culture medium is at least 4000 IU/ml.

90. (previously presented) A process according to Claim 88 wherein, said culture medium is acidified with a weak acid to a pH from 5.0 to 5.8, and optionally a non-ionic detergent is added and the culture medium is then filtered.

91. (canceled)

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